

PROJECT TITLE : CIGARETTE AND SMOKE ANALYSIS
PERIOD COVERED : JANUARY 4 - 25 1982
WRITTEN BY : Senehi-F (SEF)

EXPANDED TOBACCO USED FOR THE FIRST TIME BY BAT, UNITED KINGDOM

The manufacturer BAT uses 2 % expanded tobacco (ET) in the brand 555 State Express Filter Kings sold in the United Kingdom (1).

The analyses showed that this material was not produced using the Reynolds process.

We have been informed that BAT Southampton is producing about 200 kg/hr of expanded tobacco using the Airco process.

VISUAL CHECK OF THE DEFECTS OF PRODUCTION:
NEW FORM FOR THE REPORT

From February 1, 1982 onwards, the computer programs will be modified in order to have on the report the following new or modified information (2) (see table 1).

1. The total percentage of defects was replaced by the three classes of defects "slight, medium and serious".
2. Introduction of the physical parameter "Dilution".
3. The standard deviation 2 s mentioned in the report for the physical parameters was replaced by the standard deviation s.

PRODUCT REPORTS

Product Reports were written on the following new or modified brands:

<u>Brand</u>	<u>Manufacturer</u>	<u>Country of sale</u>
Imperial 85/F Soft (line extension)	Parco	West Germany
R 6 Special Mild Aroma 84/F Soft and Box (replaces R 6 Extra Légère)	Reemtsma	Switzerland

REFERENCES

- 1 Letter from Senehi-F (January 11 1982)
 - 2 Letter from Senehi-F (January 25 1982)
- Senehi*

No	P	DEFECT	IQ	% L	% M	% G	MAC	MAP	No	P	DEFECT	IQ	% L	% M	% G	MAC	MAP					
BUNDLE									Foil									BRAND :				
1	20	Wrong or incomplete packag.							45	30	Missing							FACTORY :				
2	5	Packets stick to bundle							46	10	Damaged, torn							PERIOD :				
3	5	Function of tear tape							47	8	Badly cut							No OF TESTS :				
4	3	General aspect							48	10	Crumpled, creased							Current				
5	2	End label							49	7	Badly embossed							Specs				
TOTAL BUNDLE									Pull strip									MAC				
																		MAP				
FILM									Moisture (%)													
10	15	Missing							51	10	Missing							85				
11	5	Sticks to packet							52	10	Damaged							86				
12	15	Packets stick together							TOTAL PACKET									Average				
13	8	But sealed bad folded, torn																Standard deviation of averages *				
14	3	Top loose creased																				
15	2	Too tight																				
16	8	Stretched																				
17	5	Tobacco under film																				
Tear tape																		WEIGHT (mg)				
18	10	Missing tears up																				
19	30	Damaged or missing tab																Average of specified moisture				
20	10	Badly glued																Standard deviation of averages *				
21	10	Sticks to packet																				
22	5	Aspect																				
TOTAL FILM																		DIAMETER (mm)				
																		Average				
																		Standard deviation of averages *				
																		Averages of deviations **				
PACKET																		R. T. D. (mm H₂O)				
30	15	Damaged torn																Average				
31	80	Incorrect brand of cig																Standard deviation of averages *				
32	80	Cigarettes missing																Averages of deviations **				
33	15	Cigarettes up side down																				
34	20	Badly glued																DILUTION (%)				
35	10	Squashed																Average				
36	15	Dirty																Averages of deviations **				
37	10	Badly folded																				
38	10	Colour comes off																COMPRESSIBILITY (mm)				
39	12	Missing or damaged over flame band																Average at 12 % moisture				
Sticker																						
40	80	Missing																				
41	5	Badly placed																				
42	10	Badly glued																				
43	12	Dirty																				
44	10	Damaged																				
TOTAL CIGARETTE																		Legend :				
																		No : Number of defects				
																		P : Ponderation				
																		IQ : Quality Index				
																		% L : Percentage of slight defects				
																		% M : Percentage of medium defects				
																		% G : Percentage of serious defects				
																		MAC : Cumulate annual average of IQ				
																		MAP : Average IQ last year				
																		* : Standard deviation of averages - s if number of checkings > 5				
																		** : Average of standard deviations = \bar{x}_s				
TOTAL BRAND																						

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